

Kokosov, N.

~~KOKOSOV~~

Regional economic councils of the Urals and local economic
research. Vop.ekon. no.12:152-153 D '57. (MIRA 11:1)
(Ural Mountain region--Economic policy)

KOKOSOV, N.

In the interest of developing Eastern regions of the U.S.S.R.
Vop. ekon. no. 8:27-31 Ag '59. (MIRA 12:11)

1. Zamestitel' direktora Instituta ekonomiki i organizatsii
promyshlennogo proizvodstva Sibirskogo otdeleniya Akademii nauk
SSSR.
(Russia, Eastern--Economic policy)

KOKOSOV, N.M., kand.ekonomicheskikh nauk; SAL'NIKOV, V.V.

State of and problems in the conservation of water resources of
the Urals. Okhr. prir. na Urale no.1:37-42 '60. (MIRA 14:4)
(Ural Mountain region--Water--Pollution)

YASEVICH, V.K., prof.; KHODIYEV, E.M., assistant; VAVILIN, M.K.; AKALAYEV, N.Kh.; BORZENKO, A.A., ordinator; ALIMOV, R.A.; RABINOVICH, S.A.;
TSENER, Kh.Kh.; KOKOSOVA, T.A.

Angiocardiography in the diagnosis of congenital vitia cordis.
Med. zhur. Uzb. no.10:10-16 '61. (MIRA 14:10)

1. Iz fakul'tetskoy khirurgicheskoy kliniki sanitarnogo i pediatri-
cheskogo fakul'tetov (zav. - prof. V.K.Yasevich) Tashkentskogo
gosudarstvennogo meditsinskogo instituta.

(ANGIOCARDIOGRAPHY)
(HEART—ABNORMALITIES AND DEFORMITIES)

KOKOSZKA, Jozef; LACKA, Oksana; ZEBRO, Tadeusz

Analysis of 5 cases of cervical pregnancy. Pol. tyg. lek. 19
no.3:97-101 20 Ja'64

1. Z Oddziału Położnictwa i Chorob Kobietych AM w Krakowie
(kierownik: dr. A. Konstantynowicz) i z Zakładu Anatomii
Patologicznej AM w Krakowie (kierownik: prof.dr. J.Kowalczykowa).

KOKOSZKA, Jozef

Electrocoagulation in the treatment of precancerous conditions
of the cervix uteri. Przegl. lek. 21 no.9:549-550 '65.

1. Z Oddzialu Poloznictwa i Chorob Kobietych AM w Krakowie
(Kierownik: Dr. med. A. Konstantynowicz).

KOKOSZA, S.

Surveying connected with the construction of a shaft tower on the mining level. p. 421.

PRZEGLAD GEODEZYJNY, Vol. 11, no. 12, Dec. 1955.

POLAND

SOURCE: EAST EUROPEAN ACCESSIONS LIST LC Vol. 5, no. 7, 1956, August.

KOKOSZKO, M.

Source of costs in grain turnover, p. 5. (ROLNIK SPOLDZIELCA, Warszawa, Vol. 8, no. 5, Jan. 1955.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 4, Jun. 1955,
Uncl.

KOKOSZKO, M.

Deficits, accounting and responsibilities, p. 5. (ROLNIK SPOLDZIELCA, Warszawa, Vol 8, no. 13, Mar. 1955.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1, Jan. 1955,
Uncl.

KOKOSZINSKA, B.; BIRKENMAJER, K.

Albian fauna of the Niedzica series of the Pieniny klippen belt. p. 371.
(ACTA GEOLOGICA POLONICA. Vol. 6, no. 4, 1956, Poland)

SO: Monthly List of East European Accessions (KEAL) LC, Vol. 6, no. 6, June 1957, Uncl.

KOKOSZYNSKA, MARIA

3

1-FW

Kokoszynska, Maria; Kubinski, Tadeusz; and Slopecki,
The application of logistic concepts to the
of some concepts in natural science. *Studia*

his summaries)
An analysis of a few biological notions by means of
logical apparatus is presented. The classification of indi-
viduals into blood groups is treated by a definition by
abstraction. Rigorous definitions are given for the notion
of phenotype and a few variants of the notion of genotype.
An axiomatisation of the notion of offspring is provided
as a basis for the concept of genotype. Genotype is also
related to the concept of being equally probable which,
though not explained, seems to be connected with strict
implication. The paper contains an attack on alleged
abuses of logical methods in natural sciences, and on neo-
positivism in particular.

H. Bit

MT

POLAND
GIDINSKI, K. ~~POKOT, S.~~ GIEG, L. and NOWAK, S.; The Third Clinic of
Internal Diseases Sl. AM (Academy of Medicine), Bytom; (Z III Kliniki
Chorob Wewnętrznych Sl. AM w Bytomiu).
Water-electrolytes Balance."

"Aldosterone and the Water-electrolytes Balance."

"Aldosterone and the Water-electrolytes Balance."
 Warsaw, Polski Tygodnik Lekarski, Vol 18, No 1, 1 Jan 53, pp 1-4
 Comparative stud

Abstract: [Authors' English summary modified] Comparative studies of aldosterone in the origin of thermic dehydration are reported. The studies concerned the kidneys and the sweat glands. In the experimental groups one represented physiologic aldosteronism, in the 2nd aldosteronism was artificially stimulated and in the third peripheral blockade of the aldosterone effect was performed with aldactone. Aldosterone and the main electrolytes were determined in the urine and sweat. Their concentration, osmolarity, osmotic clearance and the amount of concentrating water were determined. A feed-back reaction between the kidneys and adrenal glands was proved. This reaction enables renal control and regulation of aldosterone secretion. The free water and the osmotic clearance have been correlated. The mechanism of water and electrolytes loss through the sweat glands is not the same as that through the kidneys and the likeness of the function of the sweat glands to the kidneys is questioned.

not the same as that through the kidneys
of the sweat glands to the kidneys is questioned.
This paper contains two diagrams and one table. Thirteen references.

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POL. 2

7. Experiments on newborn dogs (color, Malchukov Kennel, Loshakiv Ponomarevich, Javitskiy Kennel, and Ivan Chukovskiy) (Zablad Ponomarev, Buzil, Shastliy Akad. Med., Zabrudnikovskaya, 4th Pers. Pharm. II, 285-302 (1954)) - Guinea pigs, 300-400 g. body wt., in which scurvy developed by feeding a special vitamin C (I) deficient diet, died in spite of the supplementary feeding of 5-30 mg. ascorbic (II)/100 g. body wt. It is not a precursor of I in guinea pigs. Mice (10) and dogs (20), after administering II in the amt. of 0.25-1.00 g./kg. body wt. (to man orally and to dogs orally and by intramuscular injection; 2-10% II soln.), showed only a slight increase of blood sugar concn., about 10 and 20 mg.-%, resp. However, after administering II by intravenous injection to dogs (with 20% II soln.), the blood sugar concn. increased rapidly about 100 mg.-% and remained at this level for approx. 2 hrs. only after this period of least first traces of II appeared in urine. The amts. of II not excreted by mice and dogs averaged 11.1 and 10.5% of the II administered, resp. The degree of excretion of II administered to dogs did not depend on either the manner of supplying II or on the amt. of the third dose of I. The blood sugar concn. after 1 day after II/kg. body wt. was 100 mg.-% in dogs and 100-150 mg.-% in mice. The blood sugar concn. after 2 days after administration of II to guinea pigs had no effect on blood pressure, respiration, or glucose excreted in dogs and rabbits. It also had no pharmacol. effect on the isolated intestine and heart of guinea pigs. It was toxic in the amt. of 10-2 g./kg. body wt. and above; the lethal dose was 20 g. II/kg. B. Wabacki

ZAJUSZ, Kazimierz; KOKOT, Franciszek.

Effect of vitamin E on islands of Langerhans in rabbits and on Alloxan diabetes. Acta physiol. polon. 6 no.3:339-348 1955.

1. 2 Zakładu Histologii i embriologii Śląskiej A.M. Kierownik: prof.dr T. Pawlikowski, 2 Zakładu Farmakologii Eksperymentalnej Śląskiej A.M. Kierownik: doc. dr J. Jeske

(DIABETES MELLITUS, experimental,
eff. of vitamin E)

(ISLANDS OF LANGERHANS, effect of drugs on
Vitamin E)

(VITAMIN E, effects,
on exper.diabetes & islands of Langerhans)

SAMOCHOWINC, L.; KOKOT, F.; KLEINROK, Z.; GACHOWSKI, Z.

Investigations on hypotensive properties of some galenical preparations of *Viscum album* genus Loranthaceae. Farm. polska 11 no.6; 128-132 June '55.

1. Z Zakładu Farmakologii Śląskiej Akademii Medycznej w Rokitnicy Bytomskiej, Kierownik: doc.dr. J.Jeske.

(PLANTS,

Viscum album genus Loranthaceae, hypotensive properties)

KOKOT, Franciszek.

Pharmacological properties and application of 10(-dimethyl
aminopropyl)-2-chlorophenothiazine(Largactil). Farm.polska 11
no.7:154-156 July '55.

1. Zaklad Farmakologii Slaskiej Akademii Medycznej Mierownik:
doc.dr J. Jeske.

(CHLOROPROMAZINE,
pharmacol.)

KOKOT, Franciszek; CHELMIN, Jan.

Role of vitamin B in the insular system. Acta Poloniae
pharm. 12 no.4:213-218 1955.

1. Z Zakładu Farmakologii Eksperymentalnej Śląskiej A.M.
Zabrze-Rokitnica. Kierownik: doc. dr. J.Jeske.

(VITAMIN B, effects,
on blood sugar)

(BLOOD SUGAR, effect of drugs on,
vitamin B)

KOKOT, Franciszek

**Flame photometry. Polski tygod. lek. 10 no.36:1188-1195
5 Sept 55.**

**1. Z III Kliniki Chorob Wewnętrznych Sl. A.M. kierownik:
prof. dr. K. Gibinski. Zabrze 8, ul. Karola Marksa 19.
(SPECTROPHOTOMETRY,
flame.)**

KOKOT, Franciszek; ZAJUSZ, Kazimierz; CHELMIN, Jan

Effect of prolonged administration of barbiturates on sugar curve and on histological picture of islands of Langerhans in rats. Pat. polska 7 no.3:241-246 July-Sept 56.

1. Z Zakładu Farmakologii Eksperymentalnej Śląskiej A.M. Zabrze-Rokitnica, Kierownik: doc. dr. J. Jeske, i z Zakładu Histologii i Embriologii Śląskiej A.M. Zabrze-Rokitnica Kierownik: prof. dr. T. Pawlikowski, Zabrze, K. Marksa 19.

(BARBITURATES, effects

on blood sugar & islands of Langerhans in rats (Pol))

(BLOOD SUGAR, effect of drugs on,

barbiturates in rats (Pol))

(ISLANDS OF LANGERHANS, effect of drugs on,
same)

BURCZEK, Ryszard; KOKOT, Franciszek

Effect of mercurial diuretics. III. Polski tygod. lek. 11 no.
20:868-871 14 May 56.

1. Z III Kliniki Chorob Wewnętrznych Śląskiej Akademii
Medycznej; kierownik: prof. dr. Kornel Gibinski. Zabrze 8,
ul. Karola Marksa 19.

(DIURETICS, MERCURIAL, effects,
(Pol))

KOKOT, FR.

GWOZDZ, B.; KOKOT, Fr.

Blood transfusion in artificial hibernation. Polski tygod. lek.
11 no.39:1657-1661 24 Sept 56.

1. (Z III Kliniki Chorob Wewnętrznych Śląskiej Akademii
Medycznej w Bytomiu; kierownik; prof. dr. K. Głbinski)
Adres: Bytom, ul. Batoiego 15.

(BLOOD TRANSFUSION,
in artif. hibernation (Pol))
(HIBERNATION, ARTIFICIAL,
blood transfusion in (Pol))

KOKOL, FRANCISZK

Effect of a single infusion of dextran upon renewal of blood-serum proteins in bled dogs. Franciszek Kokol, Józef Jaske, and Jan Chelmin (Zakl. Farm. Wrocław). *Acta Polon. Pharm.* 13, 199-204 (1954) (English summary). — The quantity of dextran transfused into thoroughly bled dogs was equal to the vol. of drained blood. The expts. disclosed that dextran does not retard the renewal of the total quantity of blood-serum proteins. The proteins reached the initial level at approx. 120 hrs. after the infusion, although the level of total proteins was the same after 120 hrs., the

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proportion of α , β , and γ -globulins was significantly different. Richard Ehrlich

EXCERPTA MEDICA Sec 18 Vol. 2/7 Cardio July 58

2054: *Electrolytes of muscular tissue in cardiac failure before and after treatment* Stan-
elektrolitów w tkance mięsnej w niewyrównanych chorobach serca przed i po leczeniu.
KOKOT F., SZCZECHOWSKI B. and BURCZEK R. III Klin. Chorób Wewnętrz. Śląskiej
AM, Bytom Kardiol. Pol. 1957, 1/1-2 (105-108) Graphs 3

Increased amount of sodium and diminished concentration of K have been found in the muscular tissue of patients suffering from heart failure. The water amount in the muscles parallels that of sodium. No abnormalities have been found in the serum concentration of electrolytes. The abnormalities found in the muscular tissue do not depend closely on the degree of heart failure. They disappear after treatment with cardiac glucosides and diuretics. No connection between the diuretic action of mercurial drugs and the amount of electrolytes and water in the muscular tissue has been observed. (XVIII, 6*)

Card: 1/1

POLAND / Human and Animal Physiology. Excretion. T

Abs Jour: Ref Zhur-Biol., No 9, 1958, 41388

Author : Kokot, F.

Inst : Not Given

Title : Kidney Function During Artificial Hibernation. I-
The Effect of Artificial Hibernation on the Hemo-
dynamics and the Histological Picture of the Kid-
neys in Dogs.

Orig Pub: Dissert. pharmaco. PAN, 1957, 9, No 2, 115-130.

Abstract: Lowering of body T_0 in anesthetized dogs decreased creatinine and PAH (?) clearance, lowered the circulation time and the maximal reabsorption of glucose in the tubules. The coefficient of permea-

Card 1/2

POLAND / Human and Animal Physiology. Excretion. T

Abs Jour: Ref Zhur-Biol., No 9, 1958, 41389.

Author : Kokot F.

Inst : Not given

Title : Kidney Function During Artificial Hibernation. 2.
Excretion of Mineral Components and Water.

Orig Pub: Dissert. pharmac. PAN, 1957, 9, No 3, 161-170.

Abstract: Regardless of the decrease of glomerular filtration in dogs during hibernation, diuresis (D) and excretion of Na with the urine increased, due to the decrease of tubular reabsorption of Na and water. The concentration of urinary Na increased and approached the values of the glomerular fil-

Card 1/2

POLAND / Human and Animal Physiology. Excretion. T

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000723710013-

Abs Jour: Ref Zhur-Biol., No 9, 1958, 41389.

Abstract: trate. The blood Na concentration decreased slightly. Upon warming of the animals, D and Na elimination rapidly returned to normal. Chilling to 25°C failed to affect K excretion in the urine. Following further and prolonged chilling, the reabsorption of K also decreased, although its concentration in the urine remained always higher than that in the blood. The K blood concentration decreased more markedly than that of Na. Upon warming of the animals, K excretion returned, slowly, to normal values. The speed of chilling and warming and the duration of chilling have a great effect on the glomerular function.

Card 2/2

KOKOT
GIBINSKI, Kornel; KOKOT, Franciszek.

Transaminases and their significance in clinical practice. Polski tygod. lek. 12 no.33:1290-1294 12 Aug 57.

1. Związki przeaminowujące (transaminazy) i ich znaczenie w praktyce klinicznej. Adres: Bytom, ul. Batorego 15, III Klinika Chorob Wewn., Sl. A. M.

(TRANSAMINASES, therapeutic use,
review (Pol))

KOKOT, F.

GIBINSKI, Kornel; KOKOT, Franciszek

Blood ~~transaminase~~ activity in diagnosis of cardiac infarct. Polaki
tygod. lek. 12 no.36:1381-1386 2 Sept 57.

1. Z III Kliniki Ch. Wewn. Sl. Ak. Med. w Bytomiu; kierownik: prof.
dr K. Gibinski. Adres: Bytom, Batorego 15, III Klinika Chor. Wewnętrznych.
(MYOCARDIAL INFARCT, diag.
determ. of blood transaminase, value (Pol))
(TRANSAMINASE, in blood
determ., diag. value in myocardial infarct (Pol))

POLAND / Pharmacology, Toxicology. Diuretic Agents. V

Abs Jour: Ref Zhur-Biol., No 18, 1958, 85167.

Author : ~~Kokot, F.~~, Hartleb, M., Burczek, R.

Inst : Not given.

Title : The Action of Mercurial Diuretic Agents.

Orig Pub: Polski tygod. lekar., 1957, Vol 12, No 42, 1614-1616.

Abstract: On the basis of observations of 15 patients with chronic circulatory insufficiency, it was concluded that there is no dependency of the diuretic effect of diluvite on the level of chlorides in the serum nor on the alkali reserves of the blood, nor likewise on changes in the alkali reserves and level of chlorides in acidosis caused by the administration of ammonium chloride. From the author's summary.

Card 1/1

KOKOT, F.; BURCZAK, R.

Action of mercurial diuretics. V. Polski tygod. lek. 12 no.43:1648-1650
28 Oct 57.

1. Zalesnosc moczopędnego działania diuretyku od widma elektroforetycznego
białek surowicy krwi u chorych z przewlekłą niewydolnością krążenia.

Z III Kliniki Chorób Wewnętrznych Sz. Akademii Medycznej w Bytomiu;
kierownik Kliniki: prof. dr med. K. Gibinski. Adres: Bytom, ul. Batorskiego

11. III Klin. Chor. Wewn. Sz. A. M.

(DIURETICS, MERCURIAL, effects,

on blood proteins, electrophoresis (Pol))

(BLOOD PROTEINS, effect of drugs on,

mercurial diuretics, electrophoresis (Pol))

KOKOT, F.; SZCZUCHOWSKI, B.; BURDZAK, R.

Dependence of the diuretic effect of diluvit on sodium, potassium & water content in the tissues. Polskie tygod. lek. 12 no.44:1691-1694 4 Nov 57.

1. Z III Kliniki Choroib Wewnetrznych Slaskiej A. M. kierownik: prof. dr med. Kornel Gibinski. Adres: Bytom, ul. Batorego 11 III Klin. Chor. Wewn. Sl. A.M.

(DIURETICS, ther. use

diluvit in congestive heart failure, dependence of diuretic eff. on water-electrolyte content of tissues (Pol))

(CONGESTIVE HEART FAILURE, ther.

diluvit, dependence of diuretic eff. on water-electrolyte content of tissues (Pol))

(BODY FLUIDS

water-electrolyte content of tissues in congestive heart failure, relation to diuretic eff. of diluvit (Pol))

The same experiments was conducted with healthy humans, No influence of I on excretion of mercury,

Card 1/2

APPROVED FOR RELEASE: 06/19/2000

POLAND/Pharmacology - Toxicology - Chelating Agents.

V

Abs Jour : Ref Zhur Biol., No 4, 1959, 18622

water and electrolytes from the organism in simultaneous intake of diluvit was established. I does not assist the removal from the organism of accidentally or therapeutically introduced mercury and cannot replace the dimercaptopropanole (BAL) now utilized for this purpose. -- M.A. Gruzman

Card 2/2

EXCERPTA MEDICA Sec 18 Vol 3/6 Cardiovascular June 59

1274. Studies on aldosteronuria in congestive heart failure Wydalanie aldosteronu z moczem u chorych z niewydolnoscia krazenia. KOKOT F. and CHELWIN J. III. Klin. Chor. Wewn Slask. A. M., Bytom *Kardiol. pol.* 1958, 1/4 (237—242) Graphs 2

Aldosteronuria was investigated in 18 patients with congestive heart failure and was found increased in 16. After complete disappearance of the oedemata the aldosteronuria reached normal values in some patients but remained increased in others. No correlation was established between the amount of aldosterone in the urine and plasma Na and K concentrations, circulating blood volume, extracellular fluid or Na and K excretion in the urine. (XVIII, 6°)

KOKOT, Franciszek (Bytom, ul. Batorego 15)

The so-called ataractics. Postepy hig.med. dow. 12 no.113-20 1958

1. III Klinika Chorob Wewnetyrnych Sl. AM.
(TRANQUILIZING AGENTS,
review (Pol))

GIBINSKI, Kornel, GING, Leszek, KONOT, Franciszek

Blood electrolytes in thermal dehydration. Polskie arch.med. wewn.
28 no.4:513-518 1958.

1. Z III Kliniki Chorob Wewn. Sl. Ak. Medycznej w Bytomiu. Kierownik:
prof. dr med. K. Givinski. Adres autora: Bytom, Batorego 15,
III Klinika Chorob Wewnetrznych.

(DEHYDRATION, blood in
electrolytes in thermal dehydration (Pol))

(ELECTROLYTES, in blood
in thermal dehydration (Pol))

(HEAT, eff.
thermal dehydration, eff. on blood electrolytes (Pol))

GIBINSKI, Kornel; KOKOT, Franciszek; GINC, Leszek

Urinary aldosterone during thermal dehydration. Polskie arch. med.
wewn. 28 no.4:552-560 1958.

1. Z III Kliniki Chor. Wewnętrznych Sz. Ak. Med. w Bydgoszczy. Kierownik:
prof. dr med. K. Gibinski. Adres autora: Bytom, Batorego 15, III
Klinika Ch. Wewnętrznych.

(ALDOSTERONE, in urine

eff. of thermal dehydration (Pol))

(DEHYDRATION, urine in

aldosterone in thermal dehydration (Pol))

(HEAT, eff.

thermal dehydration, eff. on urinary aldosterone (Pol))

GIBINSKI, Kornel, KOKOT, Franciszek

Biochemical research on venous blood of extremities in obliterative vascular lesions. V. Transaminases. Polskie arch. med. wewn. 28 no.5: 687-692 1958.

1. Z III Kliniki Chorob Wewnętrznych Sl.Ak. Med. w Bytomiu. Kierownik: prof. dr med. K. Gibinski. Adres autora: Bytom, Batorskiego 15, III.

Klinika Ch. Wewnętrznych:

(VASCULAR DISEASES, PERIPHERAL, blood in:

glutamic oxalacetic & glutamic pyruvic transaminases
in venous blood in obliterative vasc. dis. (Pol))

(TRANSAMINASES, in blood

same (Pol))

KOKOT, Franciszek; CHKANSKI, Adam

Significance of blood transaminase activity in pregnancy & complications, with special reference to pre-eclampsia & eclampsia. Gin. polska 29 no.2:131-138 Mar-Apr 58.

1. Z III Kliniki Chorob Wewnętrznych w Bytomiu Kierownik: prof. dr med. K. Gibinski Z II Kliniki Położnictwa i Chorob Kobiety w Bytomiu Kierownik: prof. dr med. B. Stepowski Bytom, ul. Batorego 15, Klinika Położnicza.

(TRANSAMINASE, in blood

glutamic-pyruvic transaminase in pregn., pre-eclampsia & eclampsia (Pol))

(PREGNANCY, blood in

glutamic-pyruvic transaminase (Pol))

(ECLAMPSIA, blood in

glutamic-pyruvic transaminase, diag, value (Pol))

(PREGNANCY TOXEMIAS, blood in

glutamic-pyruvic transaminase in pre-eclampsia, diag. value (Pol))

KOKOT, Franciszek; CEKANSKI, Adam

Excretion of 5-hydroxyindoleacetic acid with urine in pregnancy and in its complications with special reference to pre-eclamptic states. Polski tygod. lek. 14 no.38:1697-1699 21 Sept 59.

1. (Z III Kliniki Chorob Wewnętrznych Śl. A. M. w Bytomiu; kierownik: prof. dr med. Kornel Gibinski oraz z II Kliniki położniczej i Chorob Kobiety Śl. A. M. w Bytomiu; kierownik: prof. dr med. Bronisław Stepowski).

(INDOLEACETIC ACID, rel opds.) (SEROTONIN, metab.)
(ECLAMPSIA, urine) (PREGNANCY, urine)

KOLOT, Franciszek

Effect of serotonin on experimental arteriosclerosis in pigeons. Polskie arch.med.wewn. 29 no.11: 1489-1497 '59.

1. Z III Kliniki Chorob Wewnętrznych Sł.A.M. w Bydgoszcz. Kierownik: prof. dr.med. K. Gibiński.

(ARTERIOSCLEROSIS exper.)

(SEROTONIN pharmacol.)

KOKOT, Franciszek

Excretion of 5-hydroxyindoleacetic acid in urine in experimentally induced arteriosclerosis in rabbits. Polskie arch.med.wewn. 29 no.11: 1499-1506 '59.

1. Z III Kliniki Chor.Mewn.Sl.A.M. w Bytomiu. Kierownik: prof.dr.med. K. Gibinski.

(INDOLEACETIC ACID rel.opds.)
(ARTERIOSCLEROSIS exper.)

KOKOT, Franciszek

Effect of serotonin on the activity of certain enzymes during the course of production of experimental arteriosclerosis. Polskie arch. med.wewn. 29 no.11: 1507-1513 '59.

1. z III Kliniki Chorob Wewnętrznych Sł.A.M. w Bydgoszczu. Kierownik: prof.dr.med. K.Gibiński.

(ARTERIOSCLEROSIS exper.)

(SEROTONIN pharmacol.)

(TRANSMINASES metab.)

(CHOLINESTERASE metab.)

KURACKI, Josef; KOKOT, Franciszek

Urinary aldosterone in dehydration induced by pilocarpine. Polskie arch. med. wewn. 39 no.1:5-11 1959.

1. Z I Kliniki Chorob Wewnętrznych Sl. Akad. Med. w Zabrzu Kierownik: prof. dr med. J. Japa oraz z III Klin. Chor. Wewnętrznych Sl. Akad. Med. w Bytomiu Kierownik: prof. dr med. K. Gibinski. Adres autora: I Klinika Chorob Wewnętrznych Sl. A.M. w Zabrzu.

(PILLOCARPINE, eff.

dehydration, eff. on urinary aldosterone (Pol))

(ALDOSTERONE, in urine,

in dehydration induced by pilocarpine (Pol))

(DEHYDRATION, experimental,

pilocarpine induced in human subjects, eff. on urinary aldosterone (Pol))

KOKOT, Franciszek

Studies on mercurial diuretics. Report VIII. Effect of diluwit on the excretion of aldosterone with urine in patients with circulatory insufficiency. Polski tygod.lek.15 no.7:247-249 15 F '60.

1. Z III Kliniki Chorob Wewnętrznych Sl. A.M. w Bytomiu; kierownik:
prof.dr.med. Kornel Gibinski.
(DIURETICS MERCURIAL ther.)
(ALDOSTERONE urine)

KOKOT, Franciszek

Effect of serotonin and 5-hydroxyindolacetic acid on the process of
"clearance" of the blood plasma and fibrinolysis. Pat. Pol. 12 no.5:
321-325 '61.

1. Z III Kliniki Chorob Wewnętrznych Sl. Ak. Med. w Bytomiu Kierownik:
prof. dr K. Gibinski.

(SEROTONIN pharmacol) (INDOLACTIC ACID rel cpds)
(FIBRINOLYSIS pharmacol) (LIPOPROTEIN LIPASE)

KOKOT, Franciszek; GONCIARZ, Zbigniew

Perspectives for the utilization of pyrogens as a factor activating
fibrinolytic system of the blood. Polski tygod. lek. 16 no.18:
685-687 1 My '61.

1. Z III Kliniki Chorob Wewnętrznych Sz. A.M. w Bytomiu; kierownik:
prof. dr med. Kornel Gibinski.

(FIBRINOLYSIS pharmacol) (PYROGENS pharmacol)

GONCIARZ, Zbigniew; KOKOT, Franciszek

Proteases in the blood in kidney diseases. Polski tygod. lek. 16
no.15:564-565 10 Ap '61.

1. Z III Kliniki Chorob Wewnętrznych Sz. A.M. w Bytomiu; kierownik:
prof. dr med. Kornel Gibiński.

(PROTEASES blood) (KIDNEY DISEASES blood)

KOKOT, Franciszek

Invasion of clinical biochemistry by enzymology. Polski tygod.
lek. 16 no.41:1567-1569 '61.

1. 2 III Kliniki Chorob Wewnętrznych Sl. Ak. Med. w Bytomiu;
kierownik: prof. dr med. Kornel Gibinski.
(ENZYMES)

KOKOT, Franciszek

Pathopathological and clinical problems of aldosterone. Postępy
hig. medl dow. 16 no.1:105-133 '62.

1. Z III Kliniki Chorob Wewnętrznych Śląskiej AM w Bytomiu Kierownik:
prof. dr. K. Gidziński.
(ALDOSTERONE)

KOKOT, Franciszek

Effect of serotonin on the behavior of the euglobin and plasma fibrinolysis and on the fibrinogen level in the blood during the production of experimental atherosclerosis in pigeons. Pat. polska 13 no.2:177-183 '62.

1. Z III Kliniki Chorob Wewnętrznych Szl. Ak. Med. w Bytomiu Kierownik: prof. dr med. K. Gibinski.

(ATHEROSCLEROSIS exper) (SEROTONIN pharmacol)
(FIBRINOLYSIS pharmacol) (FIBROGEN chem)

CEKANSKI, Adam; KOKOT, Franciszek

Behavior of glutamic-oxalic-acetic transaminase, glutamic-pyruvic transaminase, lactic dehydrogenase and cholinesterase in maternal and umbilical blood in normal pregnancies and in pregnancies complicated by pre-eclamptic states. Gyn. polska 32 no.5:565-572 '61.

1. Z II Kliniki Położnictwa i Chorob Kobietych Śląskiej AM w Bytomiu Kierownik: prof. dr med. B. Stępnowski oraz z III Kliniki Chorob Wewnętrznych Śląskiej AM w Bytomiu Kierownik: prof. dr med. K. Głbinski.

(PREGNANCY blood) (ECLAMPSIA blood) (TRANSAMINASES blood)
(DEHYDROGENASE blood) (CHOLINESTERASE blood) (UMBILICAL CORD blood)

GIBINSKI, Kornel; NOWAK, Stanislaw; GIEG, Leszek; KOKOT, Franciszek

Aldosterone and the activity of sweat glands. Pol. arch. med. wewn.
32 no.12:1507-1516 '62.

1. Z III Kliniki Chorob Wewnętrznych Sz. AM w Bytomiu. Kierownik: prof.
dr med. K. Gibinski.

(SWEAT GLANDS) (ALDOSTERONE)

GIBINSKI, Kornel; KOKOT, Franciszek; GIEC, Leszek; NOWAK, Stanislaw

Aldosterone and the water-electrolyte balance. Pol. tyg. lek. 18
no.1:1-4 1 Ja '63.

1. Z III Kliniki Chorob Wewnętrznych Sz. AM w Bytomiu; kierownik:
prof. dr med. K. Gibinski.

(ALDOSTERONE)	(WATER-ELECTROLYTE BALANCE)
(HYPERALDOSTERONISM)	(SPIRONOLACTONE) (KIDNEY)
(SWEAT GLANDS)	(PHYSIOLOGY)

KOKOT, Franciszek; MARASZEK, Jan

Role of the study on gamma-glutamyl-transpeptidase (GGTP) in viral hepatitis. Pol. tyg.lek. 18 no.51:1913-1916; 16 D'63

1. Z III Kliniki Chorob Wewnętrznych Sl. AM w Katowicach;
kierownik: prof.dr.med. K.Gibinski.

*

GIBINSKI, Kornel; NOWAK, Stanislaw; GIEC, Leszek; KOKOT, Franciszek

Aldosterone and sweat gland function. Acta med. Pol. 4 no.3:
313-320 '63.

1. IIIrd Medical Clinic, Silesian Medical Academy Katowice,
Poland, Director: Prof. Dr. K. Gibinski.

(SWEAT GLANDS) (ALDOSTERONE)
(DEHYDRATION) (SPIRONOLACTONE)
(HEAT) (SWEAT) (HYPERALDOSTERONISM)
(SODIUM CHLORIDE)

GIBINSKI, Kornel; KOKOT, Franciszek; NOWAK, Stanislaw; GIEC, Leszek

Aldosterone in the maintenance of the water-electrolyte balance. Acta med. Pol. 4 no.3:321-328 '63.

1. IIIrd Medical Clinic, Silesian Medical Academy, Katowice, Poland, Director: Prof. Dr. K. Gibinski;

(ALDOSTERONE) (WATER-ELECTROLYTE BALANCE)
(HEAT) (URINE) (SODIUM) (POTASSIUM)
(CHLORIDES) (SWEAT)

KOKOT, Franciszek; LELEK, Edward

An unusual picture of arterial hypertension and resulting therapeutic difficulties. Pol. arch. med. wewnet. 33 no.8: 967-972 '63.

1. Z III Kliniki Chorob Wewnetrznych Sl. AM w Zabrze Kierownik: prof. dr med. K. Gibniński.

(HYPERTENSION) (SUBARACHNOID HEMORRHAGE)
(HYPONATREMIA) (HYPOKALEMIA) (CHLORIDES)
(CARBONATES) (SODIUM CHLORIDE)
(KIDNEY FUNCTION TESTS) (BLOOD CHEMICAL ANALYSIS)
(URINE)

GIBINSKI, Kornel; KOKOT, Franciszek; NOWAK, Andrzej

Excretion of glucose with thermal sweat. Pol. arch. med. wew-
net. 33 no.11:1247-1251 '63.

1. Z III Kliniki Chorob Wewnętrznych Sl. AM w Katowicach.
Kierownik: prof. dr.med. K.Gibinski.

*

GIBINSKI, Kornel; KOKOT, Franciszek

Non-protein urea and nitrogen in thermal sweat. Pol. arch.
med. wewnet. 33 no.12: 1385-1390 '63.

1. Z III Kliniki Chorob Wewnętrznych Sz. AM w Katowicach;
kierownik: prof.dr.med. K.Gibinski.

*

KOKOT, Franciszek; CEKANSKI, Adam

Role of the study of the activity of gamma-glutamyl-trans-peptidase (GGT) and leucylaminopeptidase (LAP) in obstetric cases. Pol. wyg. lek. 18 no. 48:1799-1803 25 N°63.

1. z III Kliniki Chorob Wewnętrznych Śl. AM w Katowicach; (kierownik: prof.dr.med. Kornel Gibinski) i z II Kliniki Położnictwa i Chorob Kobiety Śl. AM w Bytomiu (kierownik: prof.dr.med. Bronisław Stepowski).

*

KOKOT, Franciszek; KUSKA, Jadwiga

Role of the determination of gamma-glutamyltranspeptidase in various internal diseases (non including liver diseases).
Pol. tyg. lek. 18 no.52:1949-1952 23 D '63.

1. Z III Kliniki Chorob Wewnętrznych Sl. Akademii Medycznej w Katowicach (kierownik: prof. dr med. K. Gibinski).

KOKOT, Franciszek

Activity of mercurial diuretics. Postepy hig. med. dow. 18
no.1:93-163 Ja-P '64.

1. Z III Kliniki Chorob Wewnętrznych Śląskiej Akademii Medycznej
w Katowicach (Kierownik: prof. dr K. Gibinski).

KUSKA, J.; KOKOT, F.

A case of hypogammaglobulinemia in chronic aleukemic myelocytic
leukemia. Pol. tyg. lek. 19 no.26:1007-1008 22 Je'64

1. Z III Kliniki Chorob Wewnętrznych Sz. Akademii Medycznej w
Katowicach; kierownik: prof. dr. med. K. Gibiński.

KOKOT, Franciszek; GINCIARZ, Zbigniew

A case of hypothyroidism with co-existing diabetes. Endokr. Pol.
15 no.4:481-483 J1-4q '64

1. III Klinika Chorob Wewnętrznych Śląskiej Akademii Medycznej
w Katowicach (Kierownik: prof. dr. K. Cibinski).

KOKOT, F.; KUSKA, J.

Role of gamma-glutamyltranspeptidase tests (GGTP) in various liver diseases (with the exception of acute viral hepatitis).
Pol. tyg. lek. 19 no.2:44-49 Ja '64.

1. Z III Kliniki Chorob Wewnętrznych Sl. Akademii Medycznej w Katowicach, (kierownik: prof. dr med. Kornel Cibinski).

KOKOT, Franciszek; FRANZ, Zdzislaw, dr. med.; ALEKSANDROWICZ, Jerzy

A case of chyluria. Pol. tyg. lek. 19 no.50:1936-1937 14 D '64.

1. Z III Kliniki Chorob Wewnętrznych Śląskiej Akademii Medycznej
w Katowicach (Kierownik: prof. dr. med. K. Gibinski) i ze Szpitala
Miejskiego nr. 2 w Mysłowicach (Ordynator: dr. med. Z. Franz).

KOKOT, Franciszek; KUSKA, Jadwiga

Experimental studies on gamma-glutamyl transpeptidase. I.
Behavior of the GGT activity and GGT iso-enzymograms in
toxic liver lesions. Pol. arch. med. wewn. 34 no.4:
427-434 '64.

1. Z III Kliniki Chorob Wewnętrznych Śląskiej Akademii
Medycznej w Katowicach (Elerownik: prof. dr. med. K. G. binski).

KOKOT, Franciszek; KUSKA, Jadwiga

Behavior of the gamma-glutamyl-transferase iso-enzymogram in the blood serum in various internal diseases. Pol. arch. med. wewn. 34 no.6:703-708 '64

1. % III Kliniki Choroób Wewnętrznych Szkoły Akademii Medycznej w Katowicach (Kierownik prof. dr. med. K. Gibiński).

SAFARZYNSKA, Irena; GONCIARZ, Zbigniew; KOKOT, Franciszek

A case of acute promyelocytic leukemia with fibrinogen deficiency.
Pol. arch. med. wewn. 34 no.6:785-787 '62

1. Z III Kliniki Chorob Wewnętrznych Śląskiej Akademii Medycznej
w Katowicach (Kierownik: prof. dr. med. K. Gibiński).

KOKOT, Franciszek; KUSKA, Jadwiga; GONCIARZ, Zbigniew

Experimental studies on gamma-glutamyltranspeptidase. II. Behavior of the GGTP activity and GGTP iso-enzymogram in experimental stasis jaundice. Pol. arch. med. wewnet. 34 no.7:873-879 '64.

1. Z III Kliniki Chorob Wewnetrznych Sl. Ak. Med. w Katowicach (Kierownik: prof. dr. med. K. Gibinski).

KUSKA, Jadwiga; KCKOT, Franciszek; MARASZEK, Jan

The activity and isoenzymogram of gamma-glutamyl-transpeptidase
in body fluids and excretions. Pol. arch. med. wewnet. 35 no.2:
195-201 '65

1. Z III Kliniki Chorob Wewnetrznych Slaskiej Akademii Medycznej
w Katowicach (Kierownik: prof. dr. med. K. Gibinski).

KOKOT, Franciszek; GRZYBEK, Henryk; KUSKA, Jadwiga

Experimental studies on γ -glutamyl transpeptidase (GGTP). Pt. 4.
Acta med. pol. 6 no. 3: 379-388 '65.

1. III Clinic of Internal Medicine, Silesian Medical Academy,
Katowice (Director: Prof. Dr. Kornel-Gibinski) and Department
of Histology and Embryology, Silesian Medical Academy, Rokit-
nica (Director: Assoc. Prof. Dr. Jan Jonek).

JEDLINSKI, Zbigniew; HIPPE, Zdzislaw; KOKOT, Irena; UHACZ, Kazimierz

Determination of toxicity of antifouling paints on the basis of
photocolorimetric determination of copper as a glycine complex.
Chem anal 4 no.5/6:849-854 '59. (REAI 9:9)

1. Instytut Farb i Lakierow, Gliwice.
(Copper) (Paint) (Colorimetry) (Glycine)

JEDLINSKI, Zbigniew; HIPPE, Zdzislaw; KOKOT, Irena

Determination of the toxicity of antifouling paints. II, Laboratory
method of determining elution curves of copper. Chem anal 6 no.2:
167-172 '61. (EEAI 10:9)

1. Institute of Paints and Lacquers, Gliwice.

(Paint) (Copper)

JEDLINSKI, Zbigniew; HIPPE, Zdzislaw; KOKOT, Irena

A method of evaluation of the anticorrosive properties of anti-galvanic coatings. Przem chem 39 no.7:443-446 J1 '60.

P/014/62/041/003/003/003
D204/D301

AUTHORS: Jedliński, Zbigniew and Kokot, Irena

TITLE: Ageing of polymers under ultraviolet radiation. The protective action of 2-hydroxy-4-methoxybenzophenone (A)

PERIODICAL: Przemysł Chemiczny, v. 41, no. 3, 1962, 156-159

TEXT: An account of Western work in this field is first given. In the present work the protective action of compound A (Cyasorb UV-24, developed by the Cyanamid Co.) on polymer lacquer coatings of various compositions was studied. The assessment of protection was on the basis of (a) change of color (yellowing), and (b) elasticity and hardness changes under the action of u.v. radiation. 3 Polymers with A added and 8 control samples were painted on glass plates to various thicknesses (10-42 μ) and were irradiated for 18 hours. Experimental details are briefly described and the results are presented in graphical and tabular form. It was found that the protective action of A was most pronounced in the case of

Card 1/ 2

MOKHOSYEV, M.V.; GOT'MANOVA, T.T.; KOKOT, I.F.

Removal of strontium and barium impurities from calcium nitrate
by zone recrystallization. Zhur. neorg. khim. 9 no.11:2518-2525
N°64. (MIRA 18:1)

1. Donetskii filial Vsesoyuznogo nauchno-issledovatel'skogo in-
stituta khimicheskikh reaktivov i osobo chistykh khimicheskikh
veshchestv.

KOKOT, O. P.

KOKOT, O.P. -- "Pests of Sainfoin in the Central and Northern Portions of the Steppes of the Ukrainian SSR." Khar'kov Order of Labor Red Banner Agricultural Inst. imeni V. V. Dokuchayev. Khar'kov, 1956 (Dissertation for the Degree of Candidate in Biological Sciences).

SO: Knizhnaya Letopis', No 9, 1956

KOKOT, O.P., kand.biolog.nauk; SUSIDKO, P.I., kand.biolog.nauk

Cultivation practices as a control measure for the European corn
borer. Zashch. rast. ot vred. i bol. 6 no.7:30-31 JI '61.

(MIRA 16:5)

1. Vsesoyuznyy institut kukuruzy, Dnepropetrovsk.
(European corn borer--Extermination)

KOKOT, S.

"Mining Thin Coal Seams in the Rybnik Region." p. 102, Stalinograd, Vol. 10, no. 4, Apr. 1954.

SO: East European Accessions List, Vol. 3, No. 9, September 1954, Lib. of Congress

POL. 4

3241

621173.10312

Kokot S. The Working of Thin Coal Seams in the Rybnik Area.

"Eksploatacja cienkich pokladow węgla w okregu rybnickim".
Przeglad Gorniczy. No. 1, 1954, pp. 102-111, 8 figs.

Longwalls account for 83 per cent of the total output, the remaining 15 per cent being obtained from caved and hydraulically stowed bord and pillar workings. The optimum length of walls amounts to roughly 200 metres and, in the case of regular seams, amounts to 300-400 metres. Use is being made of both the longwall caving system for seams not more than 3 metres thick, and readily breaking roof up to a height of 3 to 4 times the thickness of the seam, and the wall

system for seams 4 to 6 metres thick, spaced 3 metres apart. The latter system is used for seams with a thickness of 4 to 6 metres, and the wall system for seams with a thickness of 4 to 6 metres. The article contains numerous figures and tables.

KOKOT, S.

"Cutting thin coal seams in the Rybnik region", p. 130, (WIADOMOSCI
CORNICZE, Vol. 5, No. 5, May 1954, Katowice, Poland)

SO: Monthly List of East Accessions, (EEAL), LC, Vol. 4, No. 5, May
1955, Uncl.

Kokot, S.

6:06 1 MAY 1986 FROM THE HEAD 10 47 10 47

S/081/62/000/023/022/120
B156/B186

AUTHORS: Dobrowolski, Jan, Kokot, Zbigniew

TITLE: Hexachlorotellurates of N-acetyl derivatives of certain aromatic amines

PERIODICAL: Referativnyy zhurnal, Khimiya, no. 23, 1962, 137, abstract 23V69 (Roczn. chem., v. 35, no. 6, 1961, 1555 - 1561 [Pol.] summaries in Russ. and Eng.)

TEXT: Compounds of $(RNHCOCH_3)_n \cdot H_2[TeCl_6]$ type have been obtained from reactions between $H_2[TeCl_6]$ and aromatic N-acetyl amines in conc. solutions of HCl. With $R = C_6H_5$, $n = 2$ and 4; with $R = o-CH_3C_6H_4$, $n = 2$; with $R = n-CH_3C_6H_4$, $n = 3$, with $R = 2,5-(CH_3)_2C_6H_3$, $n = 2$, and with $R = 3,4-(CH_3)_2C_6H_3$, $n = 4$. All the compounds produced form anisotropic yellow crystals. The solubilities of the compounds in 7 N HCl at 20°C, and also the maximum concentrations of HCl at which their hydrolysis still occurs, are determined. [Abstracter's note: Complete translation]

Card 1/1

DOBROWOLSKI, Jan; KOKOT, Zbigniew

Hexachlorotellurides of the N-acetyl derivatives of some aromatic amines. Rocz chemii 35 no.6:1555-1561 '61.

1. Department of General Chemistry, Normal School, Gdansk.

JASINSKI, Tadeusz; KOKOT, Zbigniew; SMAGOWSKI, Henryk

Potentiometric titration of hexachlorotellurites of some aromatic amines in nonaqueous media. Chem anal 8 no.4:521-523 '63.

1. Department of Inorganic Chemistry, Pedagogic School, Gdansk.

L 37941-66 EWT(m)/EWP(w)/T/EWP(t)/ETI IJP(c) JD

ACC NR: AP6023448

SOURCE CODE: UR/0369/66/002/003/0336/0339

AUTHOR: Kuslitskiy, A. B.; Kreymerman, G. I.; Kokotaylo, I. V.; Starovoytov, Yu. A.; Karpenko, G. V.; Tkachav, V. I.

ORG: Physicomechanical Institute, AN UkrSSR, L'vov (Fiziko-mekhanicheskiy institut AN UkrSSR)

TITLE: Effect of metallurgical factors on the low-cycle fatigue in various media

SOURCE: Fiziko-khimicheskaya mekhanika materialov, v. 2, no. 3, 1966, 336-339

TOPIC TAGS: steel, low alloy steel, nickel containing steel, ~~vacuum degassed steel~~, ~~low cycle fatigue~~, ~~steel fatigue strength~~, ~~steel fatigue life~~/12KhN3A steel

steel structure
ABSTRACT: Low-alloy 12KhN3A structural steel, conventionally cast or vacuum degassed, was hot-rolled into 40 mm plates or 3 mm sheets, hardened and tempered to a tensile strength of 100 dan/mm², and tested for fatigue strength in the air, in a 3% NaCl aqueous solution, and in the same solution with applied cathodic polarization, the latter to promote a hydrogen absorption. A constant-amplitude, symmetrical bending at a frequency of 0.8 cps was used in the tests. The test results showed that vacuum-degassed steel had a longer fatigue life in all the investigated media than the conventionally cast steel, especially in the tests in the NaCl solution with cathodic polarization. The embrittling effect of hydrogen and, correspondingly, the difference in the fatigue life increased with increasing amplitude. Longitudinal

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Card 2/2

ACC NR: AT7002806

SOURCE CODE: UR/0000/65/000/000/0027/0033

AUTHORS: Potapov, G. K. (Candidate of technical sciences); Kokotkin, P. L. (Engineer)

ORG: none

TITLE: Determining internal stresses by an electric method in plastically deformed metals

SOURCE: Moscow. Institut inzhenerov sel'skokhozyaystvennogo proizvodstva. Doklady, v. 2, no. 4, 1965. Tekhnologiya metallov i remont mashin (Technology of metals and repair of machinery), 27-33

TOPIC TAGS: resistance bridge, internal stress, plastic deformation, stress distribution, compressive stress, metal etching

ABSTRACT: An electrical method is used to determine internal stresses in plastically deformed surfaces. The method was proposed by G. K. Potapov and A. G. Sanzharovskiy (Fizicheskaya khimiya, 32, 1958). The method uses a bridge circuit (see Fig. 1). The expression for the relative change in resistance per unit deformation has the form:

$$\frac{\Delta R}{R} = \frac{\Delta l}{l} \gamma; \quad \gamma = \frac{\Delta R}{R} \frac{l}{\Delta l}$$

where γ is the coefficient of strain sensitivity for pickups in the form of linear flat loops, which is equal to 1.8--2.1. The pickups are glued to the deformed and

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ACC NR: AT7002806

undeformed surfaces of the metal in question. The standard working formula is:

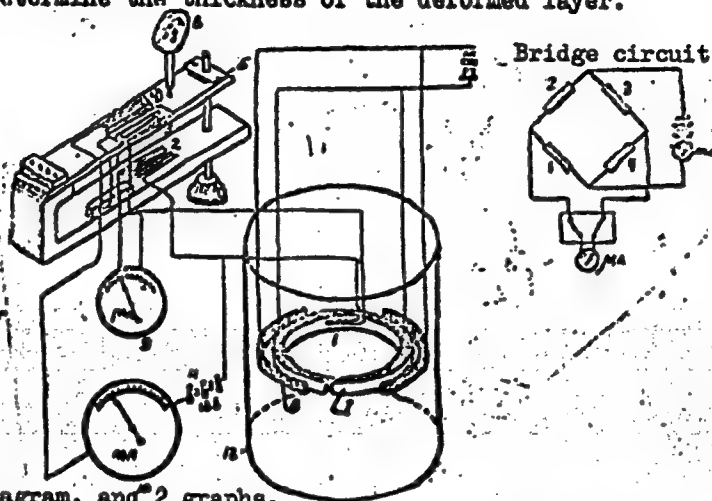
$$\sigma_{\text{def}} = A \frac{I_r}{\Delta l (2r + 3\Delta l)}$$

where

$$\lambda = \frac{2E(R_r + R)}{I_r R} = \text{constans.}$$

The method can also be used to determine the thickness of the deformed layer.

Fig. 1. Measuring apparatus:
1 - working pickup; 2 - compensating pickup; 3,4 - calibration and balancing pickups; 5 - balancing beam; 6 - indicator; 7 - ring; 8 - anode; 9 - microammeter; 10 - milliammeter; 11 - storage battery; 12 - beam with electrodes



Orig. art. has: 3 formulas, 1 diagram, and 2 graphs.

Card 2/2 SUB CODE: 11,09/ SUBM DATE: none/ ORIG REF: 004

KOKOTKIN, V. I.

Konstruktsiia i remont summiruiushchei desiatiklavishnoi mashiny [Design and repair of ten-key adding machines]. Gosstatizdat, 1952. 120 p.

SO. Monthly List of Russian Accessions. Vol. 6 No. 7 October, 1953.

KOKOTKIN, Vasiliv Ivanovich; PODSYPANIN, Arkadiy Ivanovich;
SAVOST'YANOV, D.D.; SIVKOV, M.V.; SKUL'SKIY, S.I.;
USAN, A.M., red.; USTIYANTS, V.A., red.

[Design and repair of calculating and punched card machines;
perforators, controllers, and sorting machines] Konstruktsiia
i remont schetno-perforatsionnykh mashin; perforatory, kont-
rol'niki i sortiroval'nye mashiny. Moskva, Gosstatizdat.
Pt.1. 1963. 166 p. (MIRA 17:8)

KOKOTKIN, Vasilii Ivanovich; MAKAROV, M.S., red.

[Design and technical maintenance of adding machines;
models SDM-107, AES, SDM-133, AESVe, and AESM] Kon-
struktsiia i tekhnicheskoe obsluzhivanie summiruiushchikh
mashin; modeli SDM-107, AES, SDM-133, AESVe, AESM. Moskva,
Statistika, 1965. 146 p. (MIRA 18:7)

GAYDUKOV, K.A.; KOKOTKO, A.I.; TUMANOVA, Z.S.

Effect of the conditions of drying of viscose silk on the sorption of dyestuffs. Khim.volok no.4:41-44 '62. (MIRA 15:8)

1. Kiyevskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta iskusstvennogo volokna.
(Dyes and dyeing--Rayon)

KOKOTOV, A.

Accounting

"Accounting for goods in transit and the settlement of accounts with suppliers on the basis of the accepted payment requests, " Buikg. uchet, No. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, Ma y 1952, Unclassified.

~~KOKOTOV~~ (Moskva).

Balance method of accounting for goods in supply organizations.
Bukhg.uchet 14 no.5:34-42 My '57. (MIRA 10:7)

1. Glavnyy bukhgalter Glavsnaba Ministerstva stroitel'stva elektro-
stantsiy.

(Wholesale trade--Accounting)

SEMENOV, O.D., inzh.; EDELEV, O.P., inzh.; KOKOTOV, V.I.

Concerning the book by S.A. Podlubnyi "Assembling mine
equipment." Shakht. stroi. 8 no.9:30 S '64. (MIRA 17:12)

1. Kombinat ugol'nykh predpriyatiy Kuznetskogo kamennougol'nogo
basseyna (for Semenov).
2. Kuzbassshakhtomontazh (for Edelev).
3. Kemerovoshkhtomontazh (for Kokotov).

34876
S/081/62/000/003/030/090
B150/B101

21.7200

AUTHORS: Kokotov, Yu. A., Rusakova, R. F., Urbanyuk, A. P.

TITLE: The effect of pH and the concentration of salts on the sorption of strontium-90 by some oils

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 3, 1962, 129 - 130, abstract 36109 (Tr. Konferentsii po radiats. gigiyene, 1959. L., 1960, 77 - 81)

TEXT: The coefficient of distribution is studied, i. e. , the ratio of the quantity of ions adsorbed in 1 g of adsorbent to the concentration of these ions in a balanced solution of Sr^{90} in samples of podzolized and black earth soils. It is demonstrated that the sorption of strontium-90 by these oils proceeds very intensively. The overwhelming part of strontium-90 in the soil is found in the adsorbed state. The coefficient of distribution of strontium-90 in the soil does not depend on the general activity of strontium-90 in the system. The coefficient of distribution of strontium-90 is greater in soils with a greater exchange capacity. The coefficient of distribution of strontium-90

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The effect of pH and the...

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B150/B101

increases with the increase of pH of suspension to a certain maximum which is found in alkaline regions and when this has been reached the coefficient of distribution is reduced. This circumstance explains the positive effect of liming as a means of reducing the intake of strontium-90 in plants, and can be used to increase the effectivity of decontaminating radioactive waste from strontium-90 in the atomic industry. The coefficient of distribution of strontium-90 diminishes with the increase of concentration of macrocomponents in the solution. The washing of soils with saline solutions for the purpose of removing strontium-90 from the root zones is possible only in soils with a low exchange capacity and in concentrations of a salt solution not less than 0.01 N. [Abstracter's note: Complete translation.] ✓

Card 2/2

S/186/61/003/002/012/018

E111/E452

AUTHORS: Kokotov, Yu.A., Popova, R.F. and Urbanyuk, A.P.

TITLE: Sorption of long-life fission products by soils and clay minerals

PERIODICAL: Radiokhimiya, 1961, Vol.3, No.2, pp.199-206

TEXT: The expansion of the atomic industry and power stations and fall-out from atomic explosions makes the study of reaction of fission products with soils important. The present work gives the first results of an investigation of the most toxic fission products, Sr^{90} and Cs^{137} , by some soils and clay minerals. The distribution coefficient of the isotope between solid and liquid phases K_d was taken to represent sorption. $K_d = \Gamma/C_1$, where Γ is the number of mols of solute sorbed on 1 kg of adsorbent and C_1 is the equilibrium concentration (mols/litre) in the solution after sorption. The coefficient was found from the change in activity of the solution on sorption, measurement after sorption being measured on the liquid freed from solid by centrifuging. The volume of solution was always 50 times the weight of sorbent. Before measurement, solutions of Sr^{90} were diluted with their own volume of 1N HCl to prevent sorption of Y^{90} by the glass and kept

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for 14 days. Activity was then measured in special cells for counting on liquid samples, a type CTC-6 (STS-6) counter being used. Active solutions were prepared from a Sr^{90} solution of high specific activity in $1N HNO_3$ with a salt content of 0.1 mg/mcurie of chemical-reagent purity. The distribution coefficient was measured for six samples of soils of different types: clayey podzolic topsoil, grey soil, chestnut soil, leached black earth, southern black earth and heavy black earth. From the results and published data (Ref.1: V.M.Klechkovskiy, L.N.Sokolova, G.N. Tselishcheva, 5, 136, Atomizdat, M. (1959); Ref.2: N.A.Timofeyeva, A.A.Titlyanova, Izv. AN SSSR, seriya biolog., 1, 111, (1959); Ref.3: J.R.McHenry, Soil Sci.Soc.Amer.Proc., 22, 6, 514 (1958)), it appears that, on the whole, the coefficient is higher for soils with a high exchange capacity, determined in the present work at $pH = 6.4$ (which is close to the pH of the suspension of all but two of the test soils). The authors note that the values of the coefficient (range $170 \pm 30 - 1150 \pm 140$) determined under their conditions determines the intensity of isotope migration in a soil with water. From the ion-exchange equation (Ref.4: B.P.Nikol'skiy, ZhNKh, 3, 1, 59 (1958)) the

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distribution coefficient of Sr^{90} depends finally on that of the macro-component present in the system. For soils this is usually Ca^{2+} , and Fig.1 shows equilibrium values of K_d for Sr^{90} as a function of the logarithm of Ca^{2+} concentration in the original solution for leached black earth (curve 1), southern black earth (curve 2) and Ca^{2+} as kaolin. Fig.2 shows K_d as a function of the logarithm of ratio of the amount of calcium in the system to the exchange capacity of the test sample for kaolin and leached black earth (curves 1 and 2, respectively). Sorption of Sr^{90} could, the results show, be reduced by adding a macrocomponent, in amounts exceeding the exchange capacity of the soil, which competes with Sr^{90} . The authors have studied in this connection the nitrates of strontium, calcium, magnesium, potassium, ammonium and sodium, this being the decreasing order of effectiveness. The authors also show that washing of the root-bearing topsoils with salt solutions would be practicable only for soils of comparatively low exchange capacity and with concentrations (of Ca^{2+} or Mg^{2+}) not less than 0.01 N. The authors also studied the effect of the pH on K_d for their test soils and also kaolin and bentonite. The Card 3/7 ✓

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Results are shown in Fig.3 (curves 1 to 4 relate respectively to heavy black earth, grey soil, kaolin and chestnut earth) and Fig.4 (bentonite and leached black earth represented by curves 1 and 2, respectively). These curves show the complexity of the processes studied and the need for choosing the right pH if soils and clays are used for sorption of Sr^{90} from solutions. Dealing next with Cs^{137} whose known (Ref.1: V.M.Klechkovskiy, L.N.Sokolova, G.N.Tselishcheva. 5, 136. Atomizdat, M. (1959); Ref.5: D.W.Rodes, Soil Sci. Soc. Amer. Proc., 21, 4, 389 (1957); Ref.7: A.A.Titlyanova, N.A.Timofeyeva, Pochvovedeniye, 3, 86, (1959); Ref.9: T.D.Wright, J.Monahan, UKAEA. Research group. Unclassified. AERE E/R 2707. Harwell (1958)) strong sorption on soils and clay minerals the authors attribute to its fixation in the hexagonal voids in the tetrahedral layer of the clay minerals. This effect has been studied by other investigators (Ref.10: H.W. van der Marel, Soil Sci. 78, 3, 163 (1954); Ref.11: R.F.Reitemeier, Advances in agronomy, 3, 113 (1951); Ref.12: O.Ya.Samoylov. Khimich nauki, 4, Izd AN SSSR, M. (1959)). The authors studied Cs^{137} from 0.01 and 0.1 N and sometimes 1 N solutions of nitrates of various cations of the first and second groups of the periodic table, ammonium nitrate and nitric

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acid, by clayey podzolic soil, southern black earth and kaolin. The order of decreasing effect on the distribution coefficient of some ions tested is Cs^+ , Rb^+ , NH_4^+ , K^+ , H^+ . The results showed that micro-quantities of caesium are fixed by soils (kaolin is less effective) and that therefore washing of the root layer of soil is likely to have little effect. There are 4 figures, 3 tables and 12 references: 5 Soviet-bloc and 7 non-Soviet-bloc. The four most recent references to English language publications read as follows: J.R.McHenry, Soil Sci.Soc.Amer.Proc., 22, 6, 514 (1958); D.W.Rodes, Soil Sci.Soc.Amer.Proc., 21, 4, 389 (1957); W.E.Frout, Soil Sci., 86, 1, 13 (1958); R.K.Schulz, R. Overstreet, J.Barshad, Soil Sci., 89, 16, 1 (1960).

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